BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Detailed Estimate for Consturctions of Concrete Road and Side Drian Development in Vataravanpura in ST Colony, ward No. 07, Kodigehalli Sub Division.

								Estimate Cost Rs.	6500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. No. 150/ Item No. 19.2/ PWD SR 2012-13	cum							
	Doddama bedi road (L Shape)		2	68.20	0.30	0.30	12.28		
			2	19.60	0.20	0.30	2.35		
	Valmiki Road		2	109.10	0.32	0.45	31.42		
	5th		2	76.90	0.30	0.30	13.84		
	4th		2	46.40	0.30	0.30	8.35		
	Shabri Bedi main road		1	131.20	0.30	0.45	17.71		
	Basic Rate	75.00					**85.95**	81.00	**6962.00**
	Area Weightage @ 8%	6.00							
	Total	**81.00**							
2	Removing B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 2012-13	Sqm							
	Doddama bedi road (L Shape)		2	68.20	0.90		122.76		
			2	19.60	0.90		35.28		
			2	109.10	0.90		196.38		
			2	76.90	0.90		138.42		
			2	46.40	0.90		83.52		
	Shabri Bedi 1st cross		2	131.20	0.90		236.16		
	2nd cross		1	43.00	0.90		38.70		
	Temple North Side Road		1	43.00	0.90		38.70		
			1	56.00	0.90		50.40		
			2	132.10	0.90		237.78		
							1575.75	44.47	**70081.00**
	Basic Rate	41.18							
	Area Weightage @ 8%	3.29							
	Total	**44.47**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 28/ Item No. 5.33/ PWD SR 2012-13	Sqm							
	Qty item No. 2.70%						1103.03		
							1103.03	63.00	**69487.00**
	Basic Rate	58.33							
	Area Weightage @ 8%	4.67							
	Total	**63.00**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete (P.No.28 Item No.5.31.1) 7.5 cms thick. SR-2012-13	Sqm.							
	Qty item No. 2.30%						472.73		
							472.73	315.36	**149080.00**
	Basic Rate	292.00							
	Area Weightage @ 8%	23.36							
	Total	**315.36**							

5	KSRRB 300-3. Earthwork excavation and foming in embankment by manual means in ordinary soil with initial lead upto 15 m. and lift of 1.5m. (When earth is taken from bank cutting or from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) (P 150, I.No. 19.3) SR-2012-13	Cum							
	Shabri Road North Side		1	43.10	2.85	0.20	24.57		
	2nd cross		1	43.10	2.85	0.20	24.57		
	3rd cross		1	44.50	2.85	0.20	25.37		
	4th cross		1	45.10	2.85	0.20	25.71		
	5th cross		1	43.00	1.70	0.20	14.62		
	5th A cross		1	46.00	1.80	0.20	16.56		
	Doddama bedi road		1	68.20	5.50	0.20	75.02		
	Galli Roads		1	24.60	4.00	0.20	19.68		
			1	13.40	3.40	0.20	9.11		
			1	15.80	4.40	0.20	13.90		
			1	11.60	2.70	0.20	6.26		
			1	5.00	2.00	0.20	2.00		
			1	19.10	2.00	0.20	7.64		
	Valmiki Road 5th Cross		1	109.00	6.00	0.23	150.42		
	Jodi Mane Road		1	11.40	2.30	0.20	5.24		
			1	27.70	2.10	0.20	11.63		
	4th Cross center road		1	76.90	6.85	0.23	121.16		
			1	46.40	6.35	0.25	73.66		
	Temple South Road		1	23.00	3.70	0.20	17.02		
	Galli Roads		1	32.70	5.00	0.30	49.05		
			1	17.30	1.00	0.30	5.19		
			1	16.70	5.60	0.30	28.06		
			1	48.80	6.50	0.30	95.16		
	Temple North Roads		1	56.40	5.90	0.30	99.83		
							925.20	74.52	**68946.00**
	Basic Rate	69.00							
	Area Weightage @ 8%	5.52							
	Total	**74.52**							
6	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (P. 158/, I.No. 19.64) SR-2012-13	Sqm							
	Valmiki Road 6th Cross		1	109.10	6.00		654.60		
	Jodi Mane Road		1	11.40	2.30		26.22		
			1	27.70	2.10		58.17		
	4th Cross Center Road		1	76.90	6.85		526.76		
	Doddamma Bedi		1	46.40	6.35		294.64		
	Temple South Side Road		1	23.00	3.70		85.10		
			1	32.70	5.00		163.50		
			1	17.30	1.00		17.30		
			1	16.70	5.60		93.52		
			1	48.80	6.50		317.20		
	Temple North Side Road		1	56.40	5.90		332.76		
	Dodamma devi bedi		1	68.20	5.50		375.10		
	1st cross		1	78.40	4.35		341.04		
	Galli Road 1st		1	24.60	4.00		98.40		
			1	15.80	4.40		69.52		
			1	13.40	3.40		45.56		
	Gally Road 2nd		1	11.60	2.70		31.32		
			1	5.00	2.00		10.00		
			1	19.10	2.00		38.20		
	Shabri Road 1st Cross		1	43.10	2.85		122.83		
	2nd cross		1	43.10	2.85		122.83		
	3rd cross		1	44.50	2.85		126.82		
	4th cross		1	45.10	2.85		128.53		
	5th cross A		1	43.00	1.70		73.10		
	5th cross		1	46.00	1.80		82.80		
	North Side Road		1	46.00	3.00		138.00		

			1	130.00	3.50		455.00		
							4626.00	3.78	17486.00
	Basic Rate	3.50							
	Area Weightage @ 8%	0.28							
	Total	3.78							
7	KSRRB 300-64.2. Extra for watering the earth to bring the earth upto required optimum moisture content with mechinery including cost of all labour, HOM of machineries complete as per specifications. (P. 159, I.No. 19.72) SR-2012-13	Cum							
	Qty in save as item no: 6						462.50	1.89	874.00
	Basic Rate	1.75							
	Area Weightage @ 8%	0.14							
	Total	1.89							
8	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M 25 with OPC Cement @ 340 kgs with 20granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.(excluding cost of steel, fabrication & plastering) (p/ 13, I.No. 4.10) SR-2012-13	Cum							
	Valmiki Road 5th Cross		1	109.10	6.00	0.10	65.46		
	Jodi Mane Galli		1	11.40	2.30	0.10	2.62		
			1	27.70	2.10	0.10	5.81		
	4th Cross Center Road		1	76.90	6.85	0.10	52.67		
	Doddamma Beedi		1	46.40	6.35	0.10	29.46		
	Temple South Side		1	23.00	3.70	0.10	85.10		
			1	32.70	5.00	0.10	16.35		
			1	17.30	1.00	0.10	17.30		
			1	16.70	5.60	0.10	9.35		
			1	48.80	6.50	0.10	31.72		
	Temple North Side Road		1	56.40	5.90	0.10	33.27		
	Doddamma Devi Beedi		1	68.20	5.50	0.10	37.51		
	Gally Road		1	24.60	4.00	0.10	9.81		
			1	15.80	4.40	0.10	6.95		
			1	13.40	3.40	0.10	4.55		
	Gally Road		1	11.60	2.70	0.10	31.32		
			1	5.00	2.00	0.10	10.00		
	Shabri Bekery Road		1	19.10	2.00	0.10	3.82		
	1st Cross		1	43.20	2.85	0.10	12.28		
	2nd Cross		1	43.10	2.85	0.10	12.28		
	3rd Cross		1	44.50	2.85	0.10	12.68		
	4th Cross		1	45.10	2.85	0.10	12.85		
	5th Cross A		1	43.00	1.70	0.10	7.31		
	5th Cross		1	46.00	1.80	0.10	8.28		
	North Side Road		1	46.00	3.00	0.10	13.80		
			1	130.00	3.50	0.10	45.50		
							462.60	5433.48	2513528.00
	Basic Rate	5031.00							
	Area Weightage @ 8%	402.48							
	Total	5433.48							

9	Providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges) Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-341 Kg/cum) (P. 19, I.No. 4.49.1) SR-2012-13	Cum							
	Qty is same as item no. 08						**462.60**	5639.76	**2608953.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
10	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (P. 187 I. No. 22.7) SR-2012-13	Sqm							
	Qty is same as item no. 06						4626.00		
							4626.00	86.40	**399686.00**
	Basic Rate	80.00							
	Area Weightage @ 8%	6.40							
	Total	**86.40**							
11	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement(P. 188 I. No. 22.8.1) SR-2012-13	Rmtr							
			40	4.50			180.00		
							180.00	108.00	**19440.00**
	Basic Rate	100.00							
	Area Weightage @ 8%	8.00							
	Total	**108.00**							
12	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (P. 5, I.No. 2.3) SR-2012-13	Cum							
	C.D.1 Drainge Temple back side		1	62.00	1.20	0.90	66.96		
	C.D.2 Ragi mill Opposite		1	9.30	1.80	0.90	15.07		
							75.33	135.00	**10170.00**
	Basic Rate	125.00							
	Area Weightage @ 8%	10.00							
	Total	**135.00**							

13	KSRB 4-1.2: Providing and laying in position plain cement concrete of I mix M10 With OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P. 12, I.No. 4.2) SR-2012-13	Cum							
	C.D.1 Drainge Temple back side		1	62.00	1.20	0.15	11.16		
	C.D.2 Ragi mill Opposite		1	9.30	1.80	0.15	2.50		
							12.56	4129.92	**51872.00**
	Basic Rate	3824.00							
	Area Weightage @ 8%	305.92							
	Total	**4129.92**							
14	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (P. 25, I.No. 5.6) SR-2012-13	Cum							
	C.D.1 Drainge Temple back side		1	62.00	0.75	0.60	27.90		
	C.D.2 Ragi mill Opposite		1	9.30	0.60	0.45	2.51		
							33.48	2761.56	**92457.00**
	Basic Rate	2557.00							
	Area Weightage @ 8%	204.56							
	Total	**2761.56**							
15	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (P 16, I.No 4.28) SR-2012-13	Sqm							
			2	62.00	0.23		28.52		
			2	1.80	0.23		0.82		
			2	9.30	0.23		4.27		
			2	1.80	0.23		0.82		
							27.90	201.96	**5635.00**
	Basic Rate	187.00							
	Area Weightage @ 8%	14.96							
	Total	**201.96**							
16	Providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-3320Kg/cum) (P. 19, I.No. 4.49.1)	Cum							
			1	62.00	1.80	0.23	25.66		
			1	9.30	1.80	0.23	3.85		
			1	8.00	1.80	0.23	3.31		
			2	9.30	3.00	0.15	8.37		
							37.25	5639.76	**210081.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							

	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
17	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P. 19, I.No. 4.46) SR-2012-13	Qtl							
	C.D.1		1	8.00	1.80	0.23	3.31		
	C.D.2		1	8.50	1.80	0.23	3.52		
	C.D.3		4	7.50	1.80	0.28	12.42		
							19.25		
	80Kg/Cum						1540.08		
							15.40	7323.48	112781.89
	Basic Rate	6781.00							
	Area Weightage @ 8%	542.48							
	Total	**7323.48**							
18	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.120.I.No. 15.3) SR-2012-13	Sqm							
	C.D.1		1x2	8.00		0.60	9.60		
	C.D.2		1x2	8.50		0.60	10.20		
	C.D.3		4x2	7.50		0.60	36.00		
							55.80	71.60	3995.60
	Basic Rate	66.30							
	Area Weightage @ 8%	5.30							
	Total	**71.60**							
20	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km	Cum							
			Qty. Vide Item No. 1				85.95		
			Qty. Vide Item No. 5				852.00		81903-00
							937.95	81.00	75973.95
	Basic Ratefor haulage of materials as per item	12.80					1010.95		
	Average weight of earth 1.28 tonne/Kg for	62.20							
	Add loading and unloading vide item No. 17.1	**75.00**							
	Area Weightage @ 8%	6.00							
	Total	**81.00**							
									6597-00
21	Miscesallaneous Charges	L/S							456338.98
							AE/JE	TA	Total 6500000.00

ADMINISTRATIVELY SANCTIONED FOR Rs 65 Lakhs
Rupees Sixty Five Lakhs Only
Under Q-1878
Registered as EE ( ) No 39
Subject to conditions contained in enclosed memo EE ( ) No /9/
Dt Estimate A/Sanctioned
JC(P) A/S 115
dated 18/6/2013 Rs 65 Lakhs.

18/6/13
Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Technical Sanction for Rs. 65.00 lakhs
(Rs Sixty five lakhs only
under head P1878
registered as CE No. CE/TS/198/13-14 Subject
to Conditions contained in enclosed memo
No. 138/13-14 Dt 05/07/2013

CE (BTP)

(Rupees Sixty Five Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Junior Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division